

PHYSICS 210 BIBLIOGRAPHY

Text Books

Hewitt, G.; Conceptual Physics

(Good for concepts; no math!; Physics 110 text)

Cuttnel, .; College Physics

(Good introduction for basic problems; Physics 120/130 text)

Miller, .; College Physics

(Good introduction for basic problems; Physics 120/130 text)

Halliday, D.; Fundamentals of Physics

(Same level as our text)

Young, H.; University Physics

(Same level as our text)

Goodstein, D.; Beyond the Mechanical Universe, advanced edition

(Same level as our text; excellent)

Hecth, E.; Physics

(Slightly lower level than our text; good for problem solving and concepts)

Lerner, L.; Physics

(Same level as our text; interesting)

Pasachoff, J.; Physics

(Same level as our text)

Crawford, F.; Waves

(Volume 3 of Berkeley series; slightly higher level than our text)

Wichmann, E.; Quantum Physics

(Volume 4 of Berkeley series; slightly higher level than our text)

Reif, F.; Statistical Physics

(Volume 5 of Berkeley series; slightly higher level than our text)

Feynman, R.; Feynman Lectures on Physics, Vol 3

(Slightly higher level than our text; very unique approach)

Just for Fun

Abbott, E.; Flatland

Aczel, A.; Entanglement

Adair, R.; The Physics of Baseball

Asimov, I.; A Short History of Chemistry

Cline, B; The Questioners: Physicists and the Quantum Theory

Cole, K.; Sympathetic Vibrations: Reflections of Physics as a Way of Life

Davies, P.; Superstrings

Ehrlich, R.; Nine Crazy Ideas in Science

Einstein, A.; The Meaning of Relativity

Epstein, L.; Relativity Visualized

Falk, D.; Seeing the Light: Optics in Nature

Feynman, R.; QED

Feynman, R.; Surely You're Joking Mr. Feynman!

Ford, K.; The Quantum World

Gamov, G.; Mr. Tompkins in Wonderland

Gamov, G.; One, Two, Three ... Infinity
Gamov, G.; Thirty Years that Shook Physics
Gardner, M.; The Relativity Explosion
Gardner, M.; Aha! Insight
Gell-Mann, M.; The Quark and the Jaguar
Gilmore, R.; Alice in Quantumland
Glashow, S.; Interactions: A Journey Through the Mind of a Particle Physicist
Gleick, J.; Chaos
Gonick, L.; The Cartoon Guide to Physics
Greene, B.; The Elegant Universe
Greenler, R.; Rainbows, Halos and Glories
Gribbin, J.; In Search of Schrodinger's Cat
Guth, A.; The Inflationary Universe
Hawking, S.; A Brief History of Time
Hawking, S.; A Briefer History of Time
Hawking, S.; The Nature of Space and Time
Hawking, S.; The Universe in a Nutshell Herzberg, G.; Atomic Spectra and Atomic Structure
Hey, A.; The Quantum Universe
Hoffman, B.; The Strange Story of the Quantum
Kaufmann, W.; The Cosmic Frontiers of General Relativity
Krauss, L.; The Physics of Star Trek
Krauss, L.; Beyond Star Trek
Layzer, D.; Constructing the Universe
Lewis, H.; Why Flip a Coin?
Lindley, D.; The End of Physics
Livio, M.; The Accelerating Universe
Mc Cormmach, R.; Night Thoughts of a Classical Physicist
Mc Evoy, J.; Introducing Quantum Theory
Mills, R.; Space, Time and Quanta
Morrison, P.; Powers of Ten
Narlikar, J.; The Lighter Side of Gravity
O'Neill, G.; The High Frontier
Pagels, H.; The Cosmic Code: Quantum Physics as the Language of Nature
Radner, D.; Science and Unreason
Randall, L.; Warped Passages
Reid, T.; The Chip: How Two Americans Invented the Microchip and Launched a Revolution
Rogers, E.; Physics for the Inquiring Mind
Seife, C.; Zero: The Biography of a Dangerous Idea
Serge, E.; From X-Rays to Quarks
Silk, J.; The Big Bang
Stepp, R.; Making Theories to Explain the Weather
Taylor, J.; Spacetime Physics
Thomas, L.; Late Night Thoughts on Listening to Mahler's Ninth Symphony
Thorn, K.; Black Holes and Time Warps: Einstein's Outrageous Legacy
Valens, E.; The Attractive Universe: Gravity and the Shape of Space
Walker, J.; The Flying Circus of Physics
Weinberg, S.; Dreams of a Final Theory
Weinberg, S.; The Discovery of Subatomic Particles
Weinberg, S.; The First Three Minutes

Wheaton, B.; The Tiger and the Shark: Emperical Roots of Wave-Particle Dualism
Wheeler, J.; A Journey into Gravity and Spacetime
Wheeler, J.; Geons, Black Holes and Quantum Foam
Will, C.; Was Einstein Right? Putting General Relativity to the Test